EPA Region 6 Superfund Division—Removal Action Mormon Farms/Bluewater Temporary Staging Area Video Script

VIDEO	AUDIO
TITLE SLIDE	The video you are about to see is a tour taken by one of our On-Scene Coordinators in charge of the EPA Removal of contaminated soil found in the Mormon Farms and Bluewater areas.
AREA MAP	This map give you some perspective of the Removal area where we will be working.
COMPOSITE DIAGRAM	The composite of the soil staging area consists of a liner, which is overlaid with a mixture of Portland Cement and clean gravel, as indicated on this diagram.
TOPOGRAPHIC VIEW	How the entire system works together to be protective of human health and the environment, is shown in this detailed cross-section of the layers used in the process. Now, let's get started with your virtual tour.
WALK-THROUGH TOUR OF EQUIPMENT STORAGE AREA	The private road to the EPA temporary staging area is approximately one mile from Highway 605 and will be used to temporarily store the soil excavated from the properties in Mormon Farms and Bluewater and for equipment storage.
	For your perspective, Highway 605, borders on the west side and runs south, adjacent to the staging area.

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	As we are preparing the area, you can see we are leveling the ground, building up a berm, and putting down a liner that will separate the clean soil from the mixture that will be put on top of it…this view is looking East toward Mount Taylor.
	And finally, looking toward the asphalt plant, you will see the gravel being placed on top the liner of the equipment storage area.
	Now that the clean gravel has been put down, we are rolling it out and compacting the material, so we can park our equipment on it.
TOUR CONTINUES WITH VIEWING OF THE SOIL STORAGE AREA	Looking at the temporary soil storage area being excavated, we are panning to the equipment storage area, to see the relationship. The gravel has already been placed and compacted.
	A berm surrounds the area where the contaminated soil will be temporarily stored. It has been built up to protect it and keep any material from washing out…Again, you can see the relationship between the location of the berm and the asphalt plant to the west.
	Once the area is excavated, the liner is placed to serve as reinforcement to the Portland cement and clean gravel mix. It is poured and spread out on top of a liner, laid down to protect the soil underneath.
	Once spread out, the cement mixture is spread out on top of the synthetic liner. You can see the light reflecting off of the liner and that the liner completely covers the bare soil. This ensures the excavated soil will not come in contact with any natural soil.

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	After the mixture is spread, the crew is shown raking it out to keep the same thickness on top of the liner.
	Taking one last panoramic view…first. the materials placed on top of the liner, all of it has been rolled out so it is the same consistent thickness throughout the staging area, now the berm here in the foreground, and looking at the berm back up to the north, you can see the berm completely surrounds the soil storage area. Finally, looking to the west toward the asphalt plant.
BARRIER FENCING	Surrounding the entire area is a barbed wire fence that encloses the staging area and the temporary soil storage area.
AIR MONITORING	As we look around the area, there are four air monitors…They are strategically located on the perimeters to capture the conditions fully. Of course, any monitor in the equipment storage area is surrounded by an additional orange barrier, to ensure that the equipment does not hit it accidentally.
DEMONSTRATION OF STRENGTH OF PORTLAND CEMENT/ GRAVEL MIXTURE	In closing, we wanted to show how strong this mixture of Portland cement and clean gravel actually is. Using a hammer to pound on it, you can see that it is essentially like concrete so nothing will leak through it and as a second layer of precaution, the liner is below that.
CLOSING SLIDE	We hope this tour has provided you some insight into the process occurring at Mormon Farms and Bluewater, and that you have gained a better understanding of the steps EPA is taking to protect your health and your environment during this removal. Thank you.